

Claims

1. An apparatus for transporting cylindrical objects (2), in which
 - there are at least two shafts (3, 4), rotatable in the same direction axially perpendicular to the transporting direction of the objects (2); in which
 - the objects (2) while being transported come to rest with their cylindrical wall on one shaft (4) and with a face end on a respective adjacent shaft (3); wherein
 - by means of the axial spacing (10) and/or the diameters (8, 9) of the respective shafts (3, 4), a predeterminable angular position (β) of the objects (2) to the plane of the axes of the shafts (3, 4) and furthermore under the influence of the respective speeds of rotation of the shafts (3, 4), an intrinsic rotation of the objects (2) can be effected.
2. The apparatus of claim 1, characterized in that
 - the shafts (3, 4) are inclined at a predetermined angle (α) to the transporting direction (5).
3. The apparatus of claim 1 or 2, characterized in that
 - the spacings of the transported cylindrical objects (2) are adjustable, during transport, by a worm gear that is applied to at least one shaft (3, 4).
4. The apparatus of one of claims 1 through 3, characterized in that
 - the respective axial spacing (10) and/or the respective diameters (8, 9) of the shafts (3, 4) can be predetermined as a function of the geometrical dimensions of the cylindrical objects (2) by ascertaining the path (11) of the center of gravity as a function of the angular position (β) of the respective object (2).

5. The apparatus of one of the foregoing claims, characterized in that
- as the geometric dimensions, in particular the diameter (12) and the length of the respective object (2) are used, optionally taking into account the change in center of gravity of geometric designs of a bottle-like opening region of the container (2).
6. The apparatus of one of the foregoing claims, characterized in that
- by a unilateral thickening of the shaft (4), on which the object (2) rests with its cylindrical wall, is put into a vertical position.
7. The apparatus of one of the foregoing claims, characterized in that
- the object is a fillable container (2).
8. The apparatus of one of the foregoing claims, characterized in that
- the transport apparatus (1) is disposed in a nearly closed treatment chamber for the objects (2).
9. The apparatus of claim 8, characterized in that
- a plasma source for generating electromagnetic oscillations to sterilize the objects (2) is disposed in or on the treatment chamber.